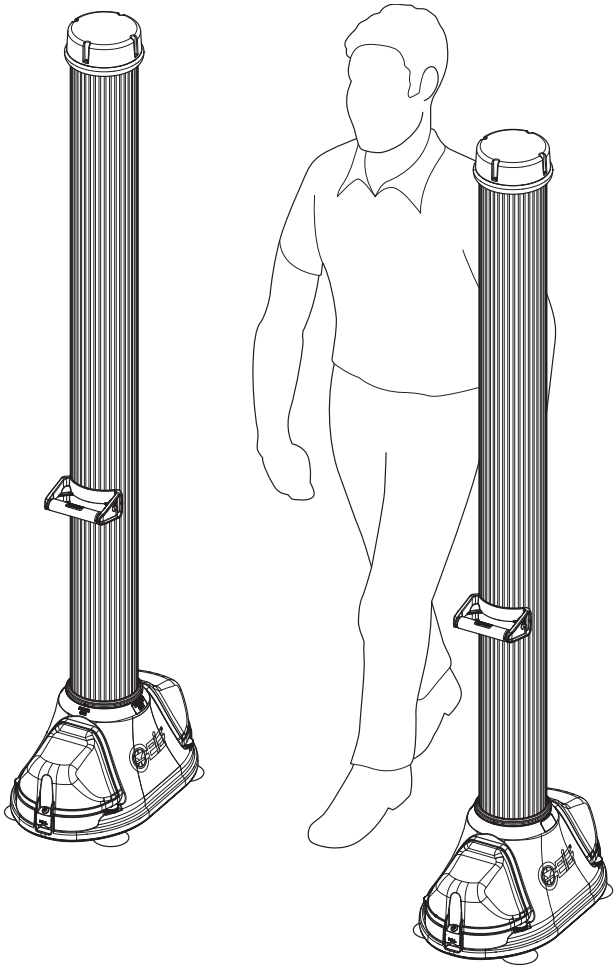

OPENGATE™

Installation, Use and Programming Manual

Document code	Date	-
FI060K0244v1300uUS	06/07/2021	-

REVISION TABLE

Rev.	Date	Author	Reference	Description
1000	17/12/2020	SF	-	First emission
1100	08/02/2021	SF	-	Description, CEIA OPENGATE App and programming parameters
1200	07/05/2021	SF	-	Technical Characteristics - Diagnosis messages
1210	18/05/2021	SF	-	Minor corrections
1300	06/07/2021	SF	-	Battery warnings - Diagnosis messages

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1. WARNINGS

Read these instructions before working with the device.

General warnings

- CEIA cannot be held responsible for any damage resulting from procedures which are not expressly indicated in this manual, or from any lack of attention, either partial or total, of the procedures described therein.
- Read this manual carefully before installing, operating or carrying out maintenance on the device. Keep the manual in a safe place for future reference, and in perfect condition.
- Follow the instructions contained in this manual for all operations relating to installation, use and maintenance of the device.
- Observe current regulations regarding electrical and personal safety when installing the device.
- Any modification to the configuration setup by CEIA is forbidden and voids all warranties and certifications.
- This manual must accompany the device described therein in the case of change of ownership, and until the device is broken up.

Installation warnings

- Choose the installation site carefully. Avoid placing the device in locations where it may be directly exposed to sunlight, in unventilated areas or in places that are close to sources of heat. In addition, avoid places that are subject to vibrations, dust, humidity, rain and excessively high or low temperatures.
- Position the device as far away as possible from sources of electromagnetic interference such as transformers, motors, power distribution cabinets, power lines, etc.
- Handle the device with care and without excessive force during installation, use and maintenance.
- This device contains electrical and electronic components, and may therefore be susceptible to fire. Do not install in explosive atmosphere or in contact with inflammable material. Do not use water or foam in the case of fire when the device is powered up.
- Do not install in an explosive atmosphere. Avoid contact with inflammable or explosive material.
- OPENGATE is especially designed for mobile use and removable installations. However, should the OPENGATE unit be used unattended by the screener, it must permanently anchored to the floor (see Appendices - Anchoring Metal Plates). CEIA will not be responsible for direct or indirect damages to people or things due to a missed supervisor of an OPENGATE unit not anchored to the floor.

Medical Safety Information

CEIA Metal Detectors comply with regulatory requirements for human exposure to electromagnetic fields. CEIA submits its devices to testing by bodies qualified to check compliance with the emission limits of the main standards currently in force (documentation available on request). General information on use: the electromagnetic field emitted by CEIA devices is extremely weak, with amplitude comparable with that of the earth magnetic field. However, CEIA cannot exclude that this device may affect personal medical electronic devices, depending on their functionality or their restrictions on use. Any recommendation or directive issued by medical personnel or medical equipment manufacturers relating to electromagnetic fields must therefore be implemented. If for any reason a person about to pass through the detector shows fear or refuses to undergo the inspection, it is recommended that the inspection be carried out using an alternative method. For further information on standard procedures to be followed for inspection of people with implanted medical devices using a metal detector, please consult the current revision of ASTM F2401 standard 'Standard Practice for Security Checkpoint Metal Detector Screening of Persons with Medical Devices' or other relevant directives. However it is recommended to arrange and configure security checkpoint in order to minimize medical device exposure to the metal detector emissions following Procedures and Non-mandatory Information contained in the above mentioned Standard Practice. CEIA is not responsible for direct or indirect harm to people or things due to incorrect use of the Metal Detector.

Harmlessness to Magnetic Media

The device is safe for items carried by people including all common magnetic media (conforming to NIST - NBS 500-101 'Care and Handling of Computer Magnetic Storage Media').

Use warnings

- The final user is responsible for determining and implementing the appropriate inspection procedures and for the training of personnel involved in carrying them out.
- The information contained in this manual is provided only as a technical reference for use and maintenance, and does not contain operational procedures. For further information on standard procedures to be followed for inspection of people using a metal detector, please consult the guidelines entitled 'The Appropriate and Effective Use of Security Technologies in U.S. Schools' by the National Institute of Justice or other relevant directives.
- Handle the device with care and without excessive force during use.
- This device contains electrical and electronic components, and may therefore be susceptible to fire. Do not use in explosive atmosphere or in contact with inflammable material. Do not use water or foam in the case of fire when the device is powered up.
- OPENGATE is especially designed for mobile use and removable installations. However, should the OPENGATE unit be used unattended by the screener, it must permanently anchored to the floor (see Appendices - Anchoring Metal Plates). CEIA will not be responsible for direct or indirect damages to people or things due to a missed supervisor of an OPENGATE unit not anchored to the floor.

Maintenance warnings

- Do not wash the device with water, liquid detergents or chemical substances. Use a slightly moist, non-abrasive cloth for cleaning.
- The device must be switched off before undergoing any maintenance or cleaning, and before being moved.
- Read the chapter 'Maintenance' carefully before calling the service center. Whatever the problem, only specialized service personnel authorized to work with CEIA equipment should be called.
- Any damaged parts of the device should be replaced by original components only.
- Any maintenance or repair involving the device being opened while powered should be avoided as far as possible: if this becomes inevitable, the operation must be carried out only by qualified personnel who are fully aware of the risks involved.

Disposal warnings

- Disposal of parts with environmental impact: follow the regulations in force in the country where the device is being used.

FCC declaration

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. this device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation.

Battery warnings

- The batteries must be recharged using the appropriate battery charger. The type of batteries is indicated in the battery compartment.
- It is the operator's responsibility to use only batteries compatible with the unit.
- It is the operator's responsibility to use and maintain the batteries properly.
- Do not leave batteries in the device during storage or for extended periods of time (three months or more). Check the expiration date of the batteries and, if necessary, replace them before operation.
- Do not dispose of used batteries in general rubbish bins; use public battery collection facilities as per local regulations, or return them to a CEIA office. If the equipment is to be disposed of, remove the batteries and dispose of them separately. Do not dispose of battery in fire: danger of explosion!
- The declared operational time is obtained after at least three initial full charge / discharge cycles. This is also required if the batteries have not been recharged for more than three months.
- If the equipment is not used for an extended period of time, it is recommended that the battery undergoes a complete charge cycle periodically (see "Maintenance" section). Otherwise, they might have difficulties in recharging.
- The battery operating time is referred to 68°F (20°C) of environmental temperature.

2. DESCRIPTION

Introduction

The **OPENGATE** is a security device designed for the automatic screening of people in transit, including their luggage and bags, for the detection of Mass Casualty Shooting Weapons and Metal Threats, such as high caliber assault weapons and IED devices.

The OPENGATE is a **state-of-the-art** device consisting of two **independent and self-powered pillars**, each equipped with a support base and electronic analysis system.

Contrary to Metal Detector gates, the OPENGATE **does not require a mechanical and electrical connection** between the two transducers that define the passageway. Acoustic and optical signals, located at the top of the pillars, provide simultaneous status and alarm indications.

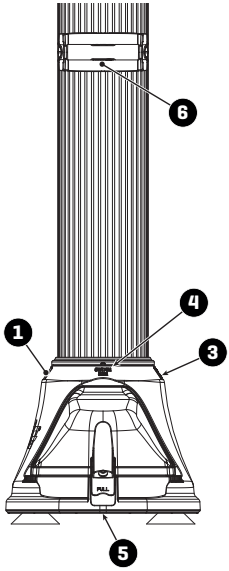
The **OPENGATE** is a detector characterized by a **virtually zero rate of nuisance alarms**, designed to operate with **very high transit flow, without divestiture**. It is **portable, elegant, easy to relocate** and ready to use as it does not require installation, that is setting and assembly of mechanical and electrical parts. Its structure makes it suitable for **indoor and outdoor operations**, even in conditions of exposure to rain and solar radiation, in any environmental condition that is compatible with attended screening operations.

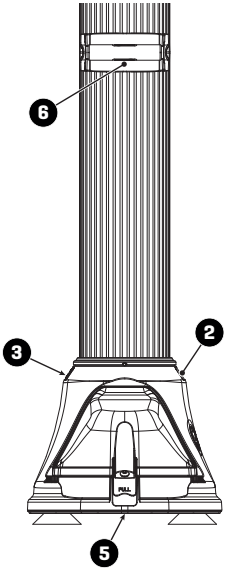
The extreme portability allows **quick relocation** of the gate, offering the most suitable solution for places where, for safety reason, the check point must be freed from obstructions after use.

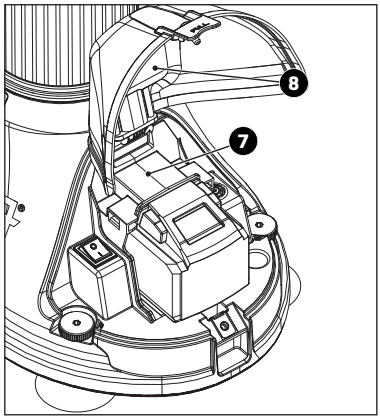
If required, the detection and signaling parameters can be easily set via the ***CEIA OPENGATE* App**, designed for smartphones or tablets based on Android or iOS operating systems.

The application fields include metro and railway stations, entrances to airport and port terminals, convention centers, museums, stadiums, arenas, theaters, theme parks; in general **all places open to the public characterized by high access flow**, continuous or limited in time.

Device identification



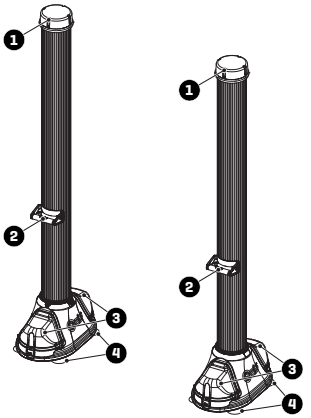




1		Main pillar label	**ID:** customer's identification
2		Secondary pillar label	
3	TRANSIT SIDE	Pillar orientation. Pillars shall be positioned so that the two marks face each other.	
4	SWITCH SIDE	Indication of the compartment of each pillar where the power supply switch is located.	
5	**Information Label**	Device information	
6	**Identification Label**	Preliminary identification of the OPENGATEs pillars	
7	**SN Label**	Serial Number of the pillar	
8	**Battery Label**	Battery warnings and battery part number	

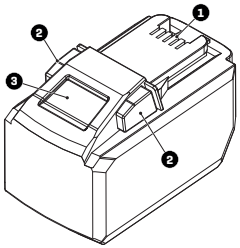
Components

Main and Secondary Pillar



1	Alarm and Status Signaling Beacon
2	Carrying handles
3	Battery compartment
4	Tilt adjustment feet

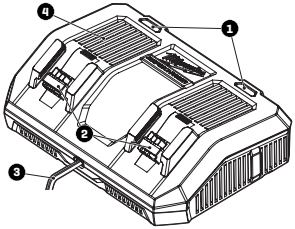
Batteries



The OPENGATE operates with 4 x 18V - 12Ah Li-ion batteries.

1	Battery contacts
2	Release buttons
3	Battery charge level indicator

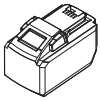
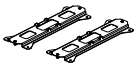
Battery Charger



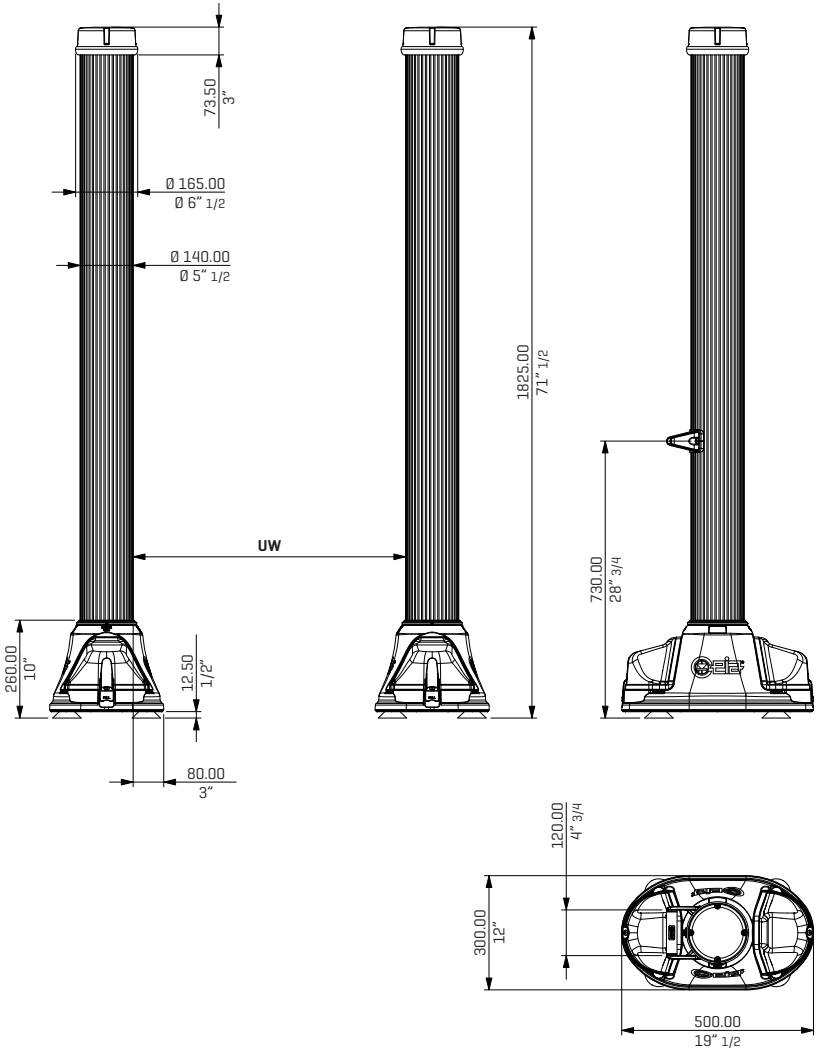
The requested battery charger is a **Dual Bay Simultaneous Rapid Charger**.

1	Light indicators
2	Bays
3	Power supply cable
4	Vents

Accessories

Accessory		Order Code
	**Spare Battery** Up to two batteries per pillar can be inserted in the OPENGATE	48-11-1812
	Spare Battery Charger	48-59-1802
	Protective cover Soft cover for protection of the OPENGATE during transport and storage	106363
	**Anchoring metal plates** For permanent installation only.	105678

Dimensions



Dimensions in mm - inches

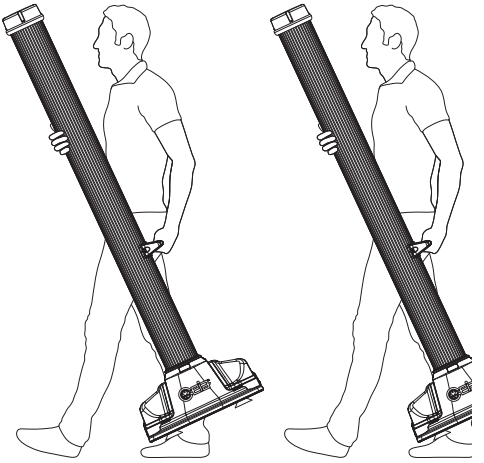
Technical Characteristics

General Features	Mass casualty shooting weapons and IED devices detection		
	Extremely high throughput with near-zero nuisance alarms, provides automatic screening and pre-screening of non-divested people along with their carry-on items		
	Less than 1 minute setup		
	Does not require adjustments or the assembly of mechanical and electrical parts		
	Applications include all places open to the public characterized by high access flow, in continuous or limited in time		
	Operating Useful Passage Width **UW** : 27" ÷ 39" [680mm ÷ 1000mm]		
	Recommended **UW**	Screening of people with luggage	*32" [820 mm]*
		Others applications	*28" [720 mm]*
Supply	Batteries	18V - 12Ah Li-ion batteries	
	Operating Time (4 batteries)	Typical	*up to 7.5 hours*
		Maximum	*up to 14 hours* [1]
	Dual Bay Simultaneous Rapid Battery Charger	Mains Supply Voltage	*120 - 127 V*
		Charging Time (2 batteries)	*130 min*
		Dimensions	*10.83" x 7.24" x 3.62" [275 x 184 x 92 mm]*
		Weight	*3.54 lbs [1.6 kg]*
Alarm Indication	Visual	Light indicators on the top of the pillars	*GREEN: OK, Ready status.*
			RED: Alarm, Auto-diagnosis
			BLUE: Wireless connection
			YELLOW: Battery level indication
	Audio	Internal Buzzer	
Programming	Programming available via *CEIA OPENGATE App*		
Dimensions	*See related section*		
Weights	Main pillar	Batteries included	*33.5 lbs [15.2 kg]*
		Without batteries	*26.5 lbs [12 kg]*
	Secondary pillar	Batteries included	*30.2 lbs [13.7 kg]*
		Without batteries	*23.1 lbs [10.5 kg]*
Certification and Compliance	Compliant with the applicable electromagnetic Standards on Human Exposure and pacemaker safety		
	Compliant with the applicable International Standards for electrical safety and EMC		
	Harmless to magnetic media		
Environmental Conditions	Operating temperature	Indoor use	*23°F to 122°F [-5°C to +50°C]*
		Outdoor use	*-4°F to 122°F [-20°C to +50°C]*
	Charging temperature	40°F to 105°F [+5°C to +40°C]	
	Storage temperature	-34°F to 158°F [-37°C to +50°C]	
	Relative humidity	0 to 95%, without condensation	
	Altitude	Up to 9,800 ft [3,000 m]	
	Installation category	II (IEC61010-1)	
	Pollution degree	2 (IEC61010-1)	
	Maximum emitted magnetic field strength	< 40 db uA/m @ 10 m	

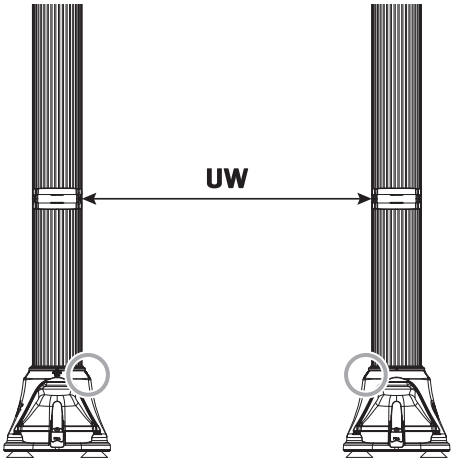
[1] *Refer to "Battery Management" section.*

3. INSTALLATION

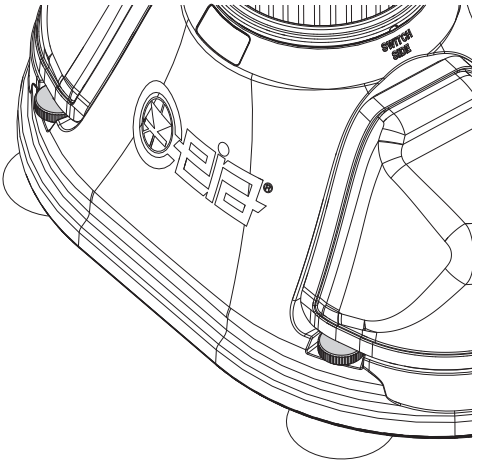
Positioning



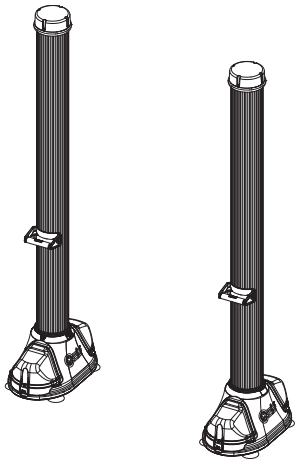
The equipment can be easily transported by hand.



Place the two pillars at a distance **UW of 720mm by default.** The "TRANSIT SIDE" marks must be facing each other, as shown above.

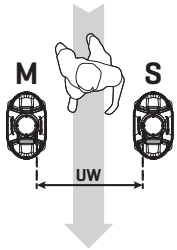


Always place the OPENGATE on a flat floor.
In case of uneven floor, adjust the inclination of the pillars using the 4 tilt adjustment knobs so that they are vertical.



Single OPENGATE Installation

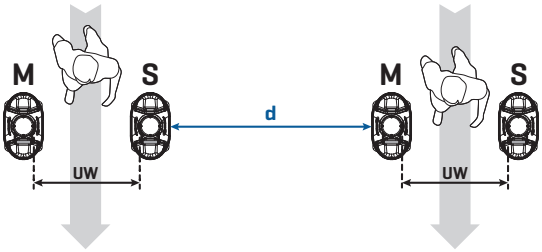
In a single OPENGATE installation, place the pillars at a distance **UW = 720mm by default**, with the carrying handles on the side opposite to the entrance.



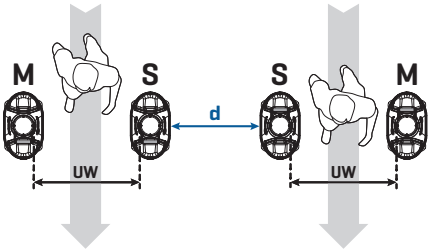
Dual OPENGATE Installation

In a dual OPENGATE installation, it is necessary to respect the following rules, in order to synchronize the Main pillar with its own Secondary pillar (identified through the ID number).

- Place the OPENGATEs with the carrying handles on the side opposite to the entrance. The sequence will be **M-S** - **M-S**.
- **UW = 720mm by default** (pillar to pillar)
- Place the adjacent pillars of different Gates at a distance **d ≥ 5 ft [1.5 m]** between their bases, as shown below.



- To reduce the distance between adjacent units, follow the sequence **M-S** - **S-M**; so that two adjacent pillars of different gates can be placed at a distance **d** between their bases of:
  2 ft ≤ d ≤ 5 ft [0.6 m ≤ d ≤ 1.5m]

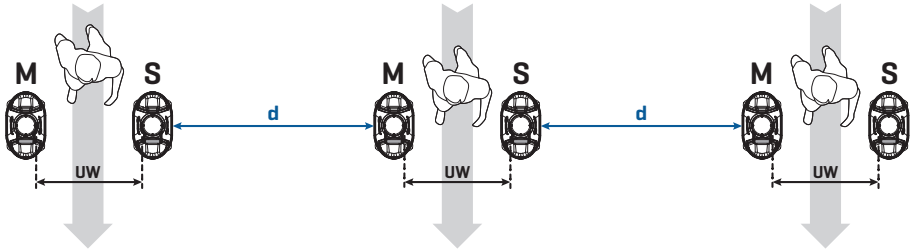


In this configuration, carrying handles of one OPENGATE will be facing the entry side.

Multiple OPENGATE Installation

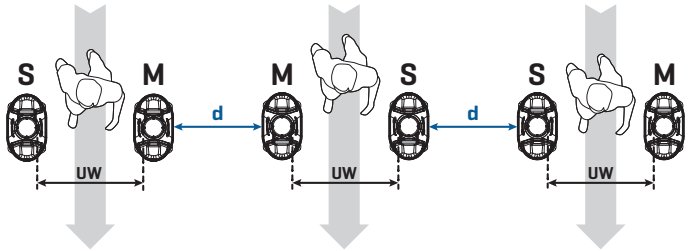
In a multiple OPENGATE installation, it is necessary to respect the following rules, in order to synchronize the Main pillar with its own Secondary pillar (identified through the ID number).

- Place the OPENGATEs with the carrying handles on the side opposite to the entrance. The sequence will be ... **M-S** - **M-S** - **M-S** ...
- **UW = 720mm by default** (pillar to pillar)
- Place the adjacent pillars of different Gates at a distance **d ≥ 5 ft [1.5 m]** between their bases, as shown below.



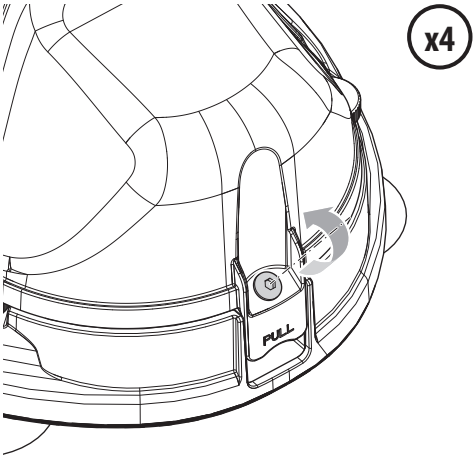
- To reduce the distance between adjacent units, follow the sequence ... **S-M** -**M-S** - **S-M ...** ; so that two adjacent pillars of different gates can be placed at a distance **d** between their bases of:

  2 ft ≤ d ≤ 5 ft [0.6 m ≤ d ≤ 1.5m]

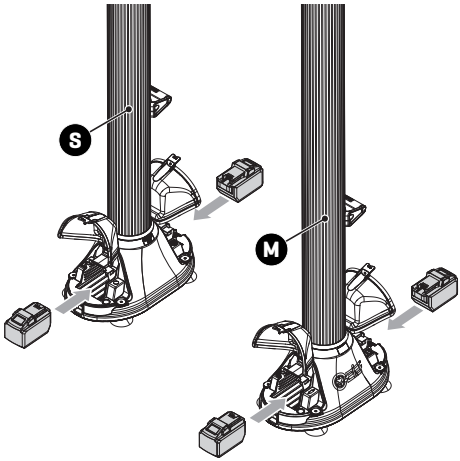


In this configuration, carrying handles of alternating OPENGATEs will be facing the entry side.

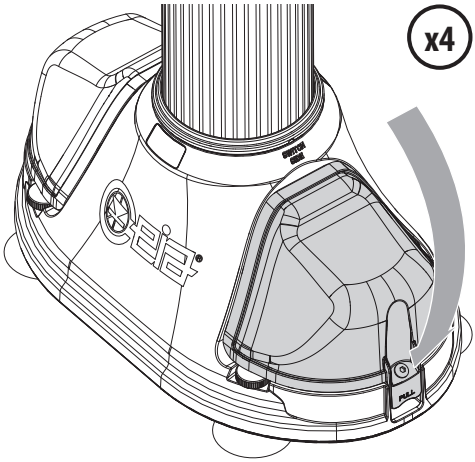
Insert the batteries



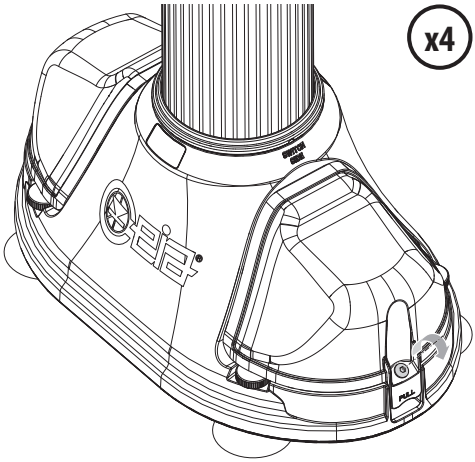
Loose the screw of the battery compartment.
Pull the tab and lift the cover up.



Insert the batteries.

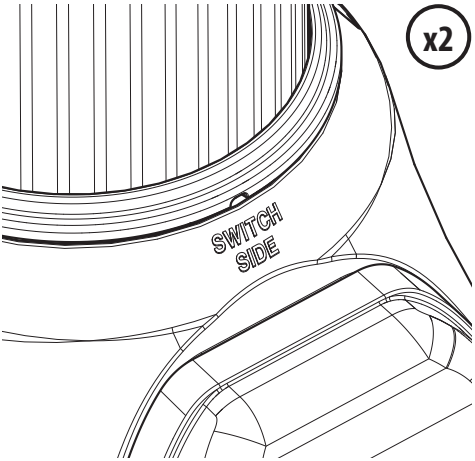


Lower the battery compartment ...

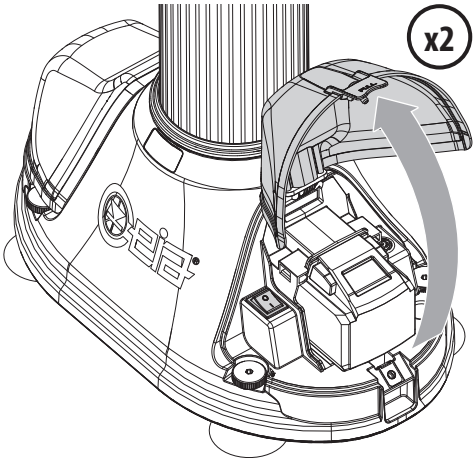


... and tight the lock screw.

Start-Up



The main switch of each pillar is located in the compartment identified by the SWITCH SIDE marks.



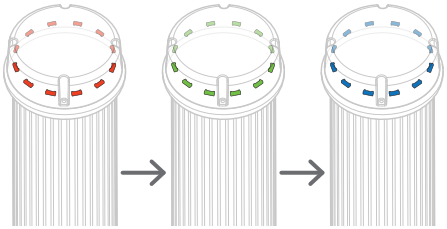
Lift the cover up and turn the switch ON, then close it again.

Do not move the OPENGATE during use. If a pillar is accidentally shifted from its position, the device may reinitialize the start-up procedure. This according to the extent of the displacement.

4. USE

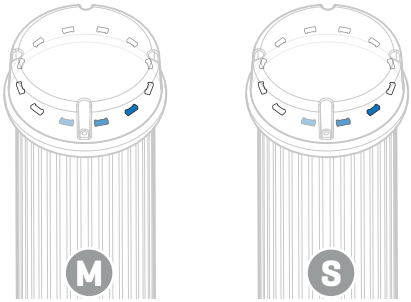
Signalling

Signals at Start-Up



After Start-Up, the Alarm and Status Signaling Beacon of Main and Secondary pillar turns on completely red, green and blue in sequence

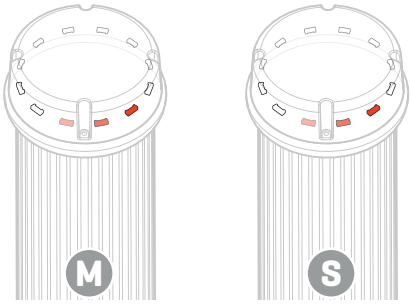
Sounder: **ON**



Wireless connection between Main and Secondary pillar in progress.

The blue lights rotate circularly until the connection has been established.

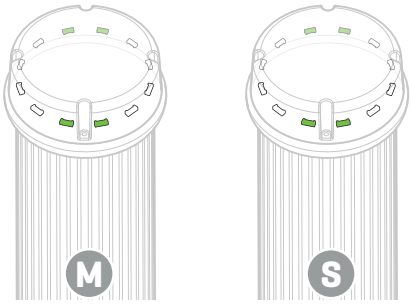
Sounder: **ON**



Waiting Status.
System configuration in progress.

The red lights rotate circularly.

Sounder: **ON**

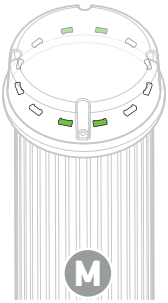


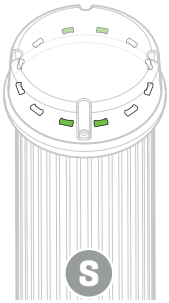
Ready Status.

The OPENGATE is ready to operate.

Sounder: **OFF**

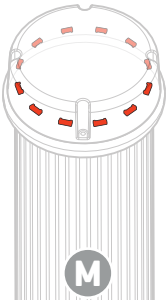
Signals during use

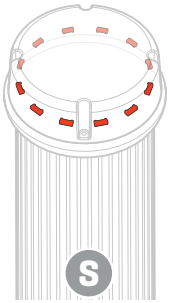




Transit with no alarm.

Sounder: **OFF**





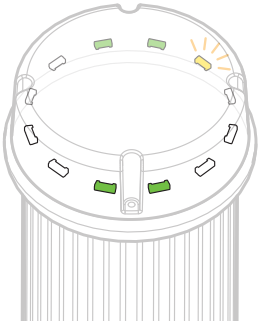
Transit with Metal alarm.
The red lights turn on completely red.

Sounder: **ON**

According to the administrators' programming, the alarm indication can be blinking.

Battery Signals

The battery status is signalled by a yellow light shown on the same side of the pillar where the discharged battery is located, on the internal transit side.

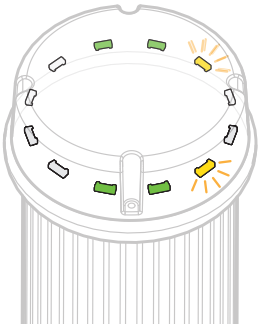


Yellow light starts to blink every 3 seconds if:

- Low charge of a battery in the pillar.
- Removal of one charged battery.

Yellow light continues to blink until a charged battery is installed.

Sounder: **ON during transition, synchronous with flashing**



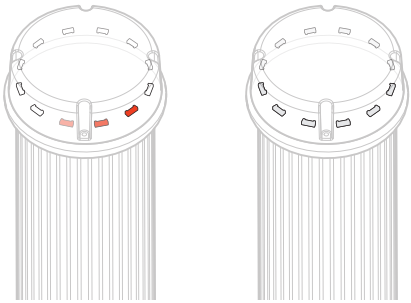
Two yellow lights start to blink every 3 seconds if:

- Low charge of a battery in the pillar (with other battery discharged or absent).

Yellow lights continue to blink until charged batteries are installed.

Sounder: **ON during transition, synchronous with flashing**

The detector is operational with less than 15-20 minutes remaining. Replace at least one battery with a fully charged one.



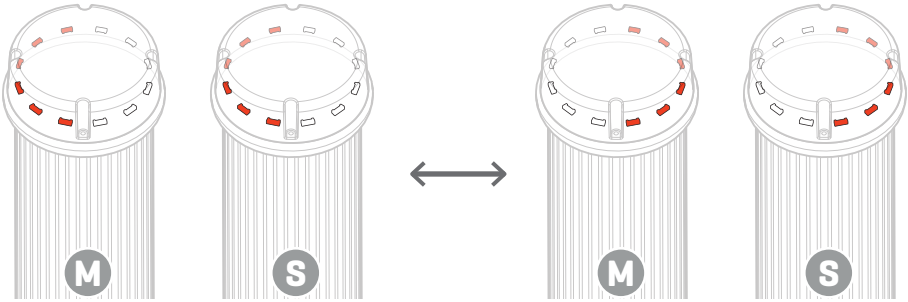
Both batteries of a pillar are fully discharged or one battery fully discharged and the other absent.

The pillar switches off the beacon, the other goes into the Waiting Status (red lights rotate circularly).

Insert charged batteries to restore the Gate.

Sounder: **impulsed ON**

Auto-diagnosis signals



Alarm and Status Signaling Beacons of Main and Secondary pillar flash red alternately in the following cases:

1. Installation error (wrong orientation, wrong distance between pillars...).
   Check and correct pillars orientation and distance. Repeat the Start-Up procedure.
2. Fault during operation.
   Contact CEIA Technical Assistance

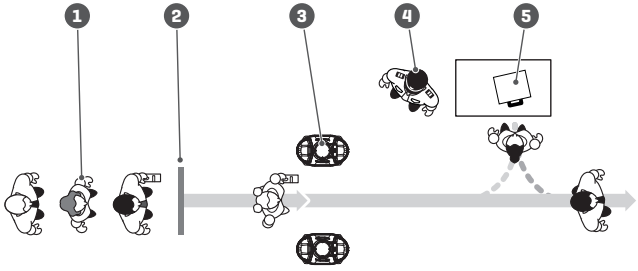
Sounder: **impulsed ON**

Refer to *Troubleshooting* section for further details on error and fault signaling.

Use of the device

Once the OPENGATE has been installed and start-up phase is completed, the device is ready for screening. Follow to this procedure for correct operation:

- The level of detection (International Standard Security Level, IS) is the one which was loaded from previous services. In order to select a different IS, refer to *"CEIA OPENGATE App"* section.
- It is responsibility of the Manager of the check point to select the appropriate IS chosen from a list of available programs preloaded in factory. Refer to the Factory Acceptance Test (FAT) report, which is provided with the unit, for the list of available IS.



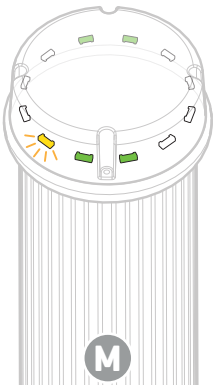
1	Line of people waiting to be inspected
2	Waiting line
3	OPENGATE
4	Screener
5	Secondary screening in case of alarm

- As a part of normal screening process, people are required to perform a complete passage through the gate.
- Allow only one person at a time to walk through the unit.
- People shall wait their turn without passing the waiting line.
- If an alarm occurs upon a person's transit, this is the result of metal objects carried by that person that are above the alarm threshold. A secondary screening is then necessary in order to clear the cause of the alarm.

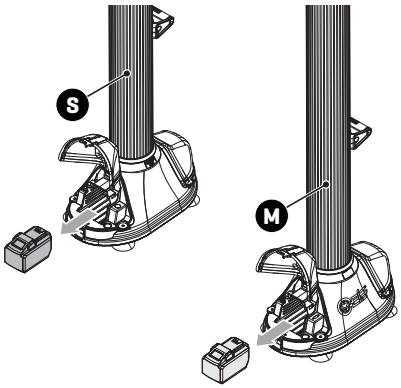
Battery Management

This procedure allows the maximum OPENGATE operating time.

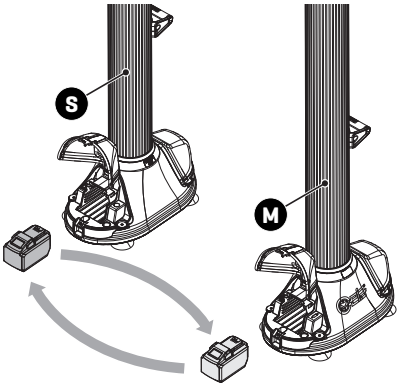
Refer to Technical Characteristics for typical and maximum operating time.



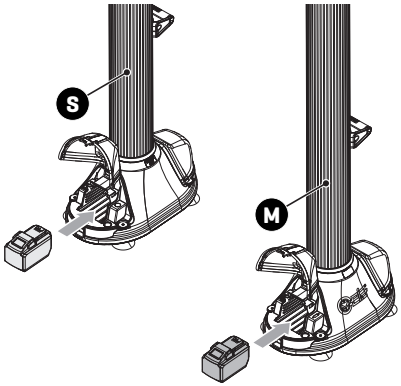
Once the *low charge battery* indication is provided on the Main pillar ...



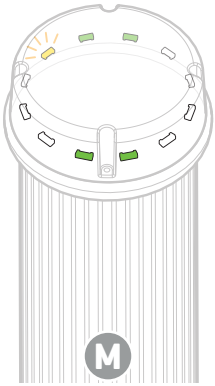
... extract the almost discharged battery from the Main Pillar and the battery from the Secondary pillar.



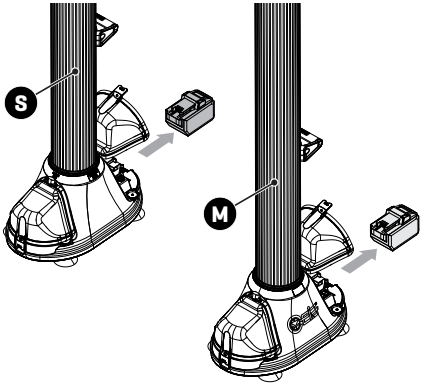
Swap the two batteries.



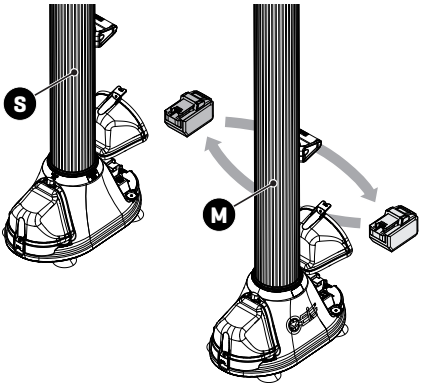
Insert them back into the battery compartments.



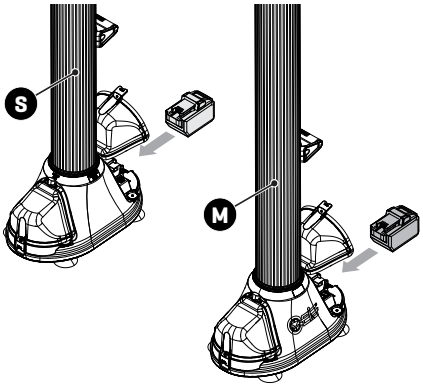
Once the second battery of the Main pillar provides the *low charge battery* indication ...



... extract the almost discharged battery from the Main Pillar and the battery from the Secondary pillar **(not those previously exchanged)**.



Swap the two batteries.

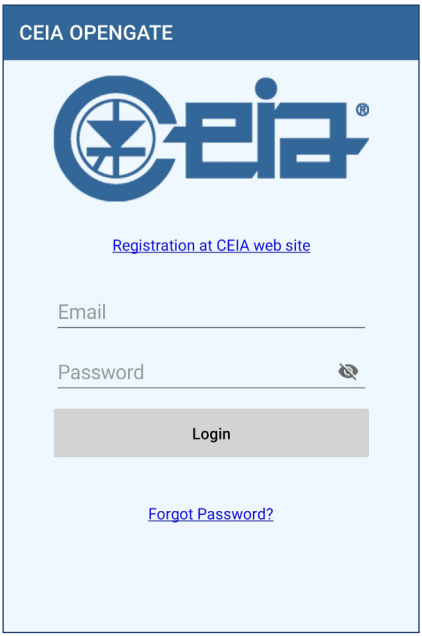


Insert them back into the battery compartments.

5. CEIA OPENGATE APP

CEIA OPENGATE is available on **Google Play Store** / **Apple Store** and it can be installed on smart phones and tablets with Android 6.0 / iOS 10 and above.

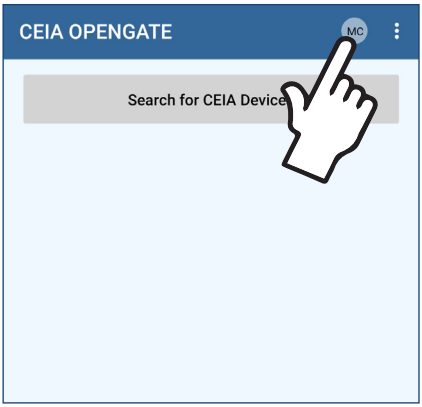
Login



In order to use the software, you shall be registered on CEIA web site.

Enter the Email and Password of your CEIA account, or create a new one by clicking on Registration at CEIA web site link.

In case the password needs to be recovered, use the Forgot Password? link and follow the instructions.



If login is successful, a circle icon with the username initials appears on top right.

Click on it for extended info.

To logout, press the menu button ⋮ on top right corner.
A pop-up window will prompt, click on **Logout**.

Access levels

Access phase may be controlled by password or be unprotected. There are different access levels:

1. **User level**, accessed by entering the user password:
   - Only some of the functions are available to the user (these are selected by the super-user using the **User Parameters** function).
     The user is usually the operator in charge for screening operations.
   - The user can define his/her own password using the **Change Password** function from the App menu (if enabled by the super-user).

2. **Super-User level,** accessed by entering the super-user password:
   - The super-user can decide which functions are available to the user using the **User Parameters** function.
   - The super-user can define his/her own password using the **Change Password** function from the App menu.

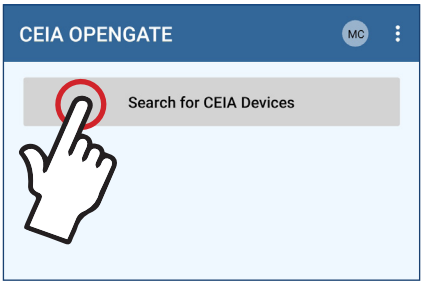
At each access level, only the password relating to that same level can be modified.

The equipment is usually delivered from CEIA with a password already set for super-user level, while the user level access is unprotected.

We recommend changing the password immediately after installation and at intervals thereafter, to prevent access by unauthorized persons.

Device Connection

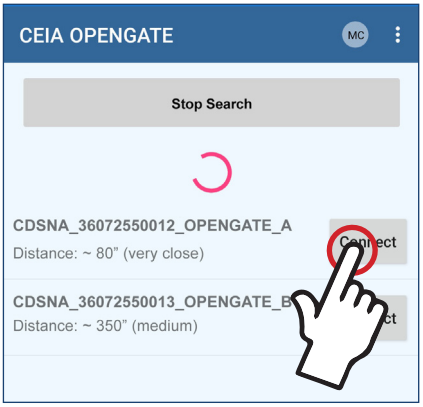
Click the button to search for CEIA Devices.



During the search, all available CEIA Devices are listed together with some info.

In bold, the network name of the device, followed by an approximation of the device distance.

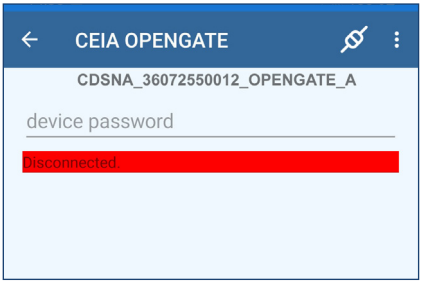
Click on **Connect**.



If an OPENGATE is already connected to another user, it will no longer be visible in the list of available devices.

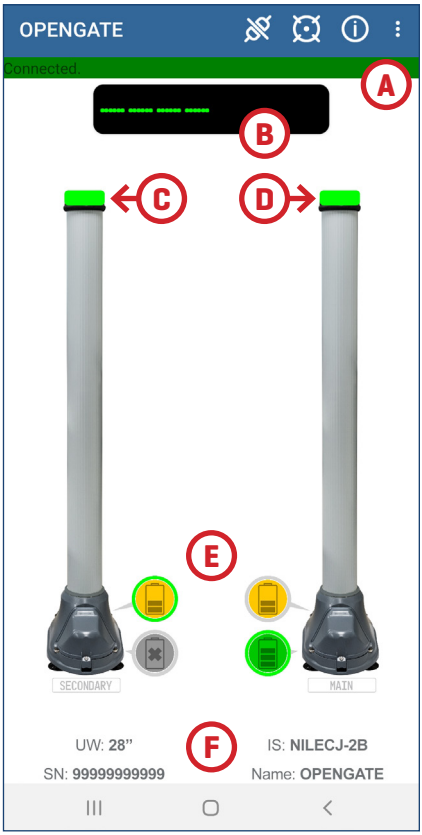
Insert the password if requested.

Click on **Connect** icon .



At first access, the App tries to connect to the OPENGATE using the user password (void by default). To access as super-user, after connecting, click on **Disconnect** icon ; the password request page will appear.

Operative Screen



When the device is connected, the screen will change as indicated:

#	Description
A	Connection status
B	OPENGATE messages
C	Secondary pillar status *(green OK, red ALARM)*
D	Main pillar status *(green OK, red ALARM)*
E	Batteries levels and indications
F	**SN:** Serial number **Name:** User defined label for device identification **IS:** Current Security Level (only if enabled) **UW:** Useful Passage Widthw (only if enabled)
	Disconnect from device
	Locate function
	Device info (available only at super-user level)

Batteries levels and indications

Battery absent from its compartment

Battery completely discharged

Battery discharged.
OPENGATE still operative, charge 0 ÷ 5 %

Battery low, charge 5 ÷ 20 %

Battery charge 20 ÷ 45 %

Battery charge 45 ÷ 70 %

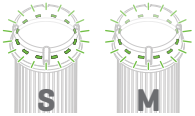
Battery full, charge 70 ÷ 100 %

A green circle around the battery status indicates the battery in use

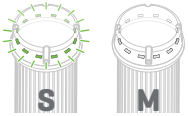
Locate

The **Locate** function on the App Menu allows easy identification of the connected device and related parts. By pressing the corresponding button or icon, the part will prompt itself.

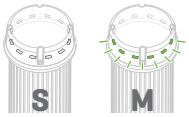
Press **Locate** icon ; both beacons will blink green together with an acoustical alarm.



Press on **Secondary** or **Main** pillar picture to spot the corresponding pillar.



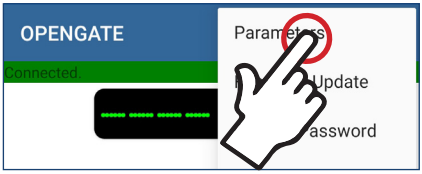
Press one of the **Battery icons** and the pillar beacons will pinpoint the corresponding battery.



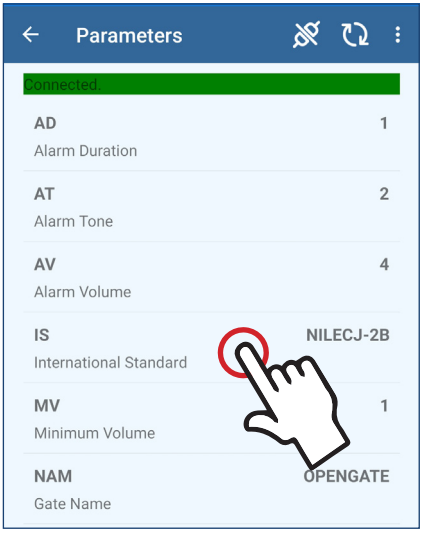
Advanced Functions

The availability of these functions depends on the level of access and account permissions.

Parameters



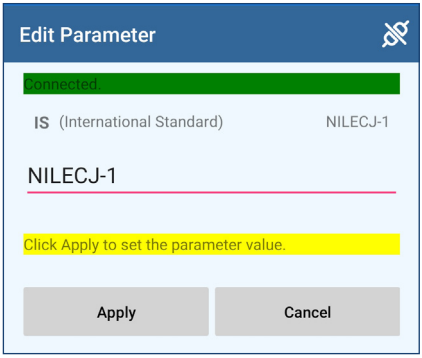
Press the menu button ⋮ on top right corner.
A pop-up window will prompt; click on **Parameters** to access programming of the device.



The screen will change to a list of all available parameters with their actual values.

Touch the parameter name in order to change its value.

Click on **Refresh** icon to perform a refresh of the page.



Example of IS setting

After touching the IS parameter, a pop-up window will prompt, allowing the selection of the Security Level (IS).

Once the desired IS level has been selected, confirm the selection by pressing the **Apply** button.

The available security levels are listed in the Factory Acceptance Test (FAT) report supplied with the equipment.

Description of the parameters

Code	Meaning	Range
AD	**Alarm Duration**	0 - 5 s
Description		
This parameter sets the alarm duration, in seconds.		

Code	Meaning	Range
AT	**Alarm Tone**	0 - 44
Description		
This parameter sets the tone of the metal alarm sound. During programming, the device provides an audible signal using the selected tone.		

Code	Meaning	Range
AV	**Alarm Volume**	0 - 9
Description		
This parameter sets the volume of the alarm sound. During programming, the device provides an audible signal using the selected sound.	*0: disconnected alarm;* *9: maximum volume.*	

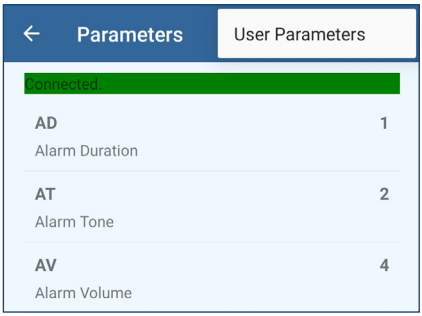
Code	Meaning	Range
IS	**International Security Standard**	see on FAT
Description		
This parameter selects a security level corresponding to an international standard. If the selected setting has been modified affecting detection capability, an additional 'MODIFIED' indication appears.		

Code	Meaning	Range
MV	**Minimum alarm volume**	0 - 9
Description		
This parameter determines the minimum value of the AV parameter. During programming, the device provides an audible signal using the selected tone.	*0: disconnected alarm;* *9: maximum volume.*	

Code	Meaning	Range
NAM	**Name**	11 digits
Description		
This parameter sets the user defined name of the device. The string consists of up to 11 alpha-numeric characters.		

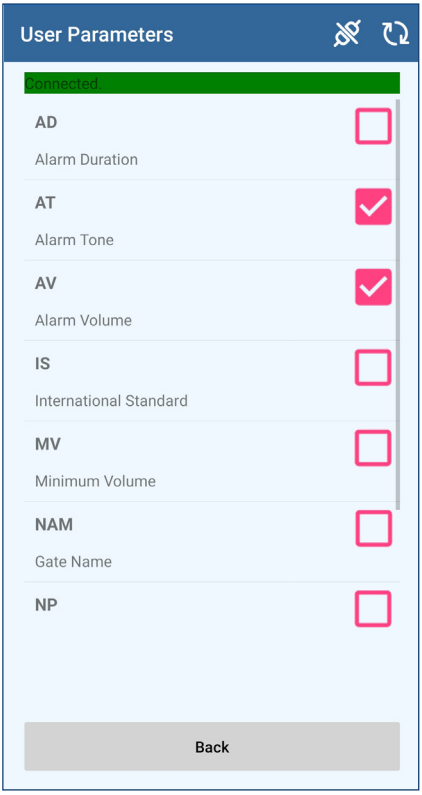
Code	Meaning	Range
SED	**Sensitivity Delta (Δ)**	-50 ÷ +50
Description		
This parameter sets the desired variation of sensitivity in respect to the standard for the selected Security Level (IS).	-50: maximum decrease of sensitivity; +50: maximum increase of sensitivity.	

User Parameters



Press the menu button ⋮ on top right corner of the Parameters page.

A pop-up window will prompt; click on **User Parameters** to select the commands that can be accessed by the user.



Tick on the parameter checkbox to enable the selected parameter at user level.

Click on **Back** button to return to the Parameters page.

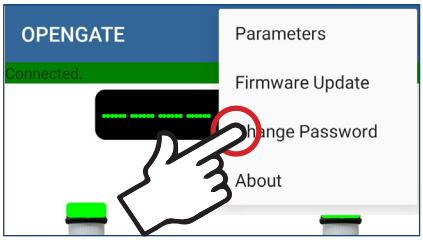
Click on **Refresh** icon 🔄 to perform a refresh of the page.

If NP function is enabled, it allows the user to change his password.

Change Password

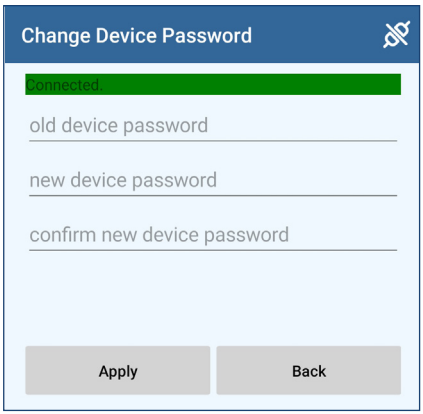
Press the menu button ⋮ on top right corner.

A pop-up window will prompt; click on **Change Password**.



Enter the required data in the corresponding fields and press the **Apply** button.

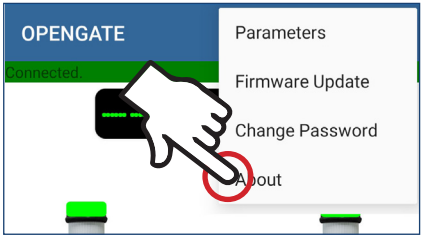
If no password is present, the **old device password** text box is not editable.



About

Press the menu button ⋮ on top right corner.

A pop-up window will prompt; click on **About**.



CEIA OPENGATE App software version is shown.

6. MAINTENANCE

Suggested Maintenance Schedule

Operation	Frequency	Procedure
Verification of the visual indicators	Daily (mandatory)	Visual inspection
	At shift changes	
	In case of doubt of proper operation	
General cleaning	As needed or at least weekly	Use a slightly moist, non-abrasive cloth to clean all surfaces
Visual check that all components of the OPENGATE are undamaged	4 months	Visual inspection

Periodic maintenance of the batteries

In case of a prolonged period of storage/unused, batteries lose naturally almost all their charge and then they might have difficulties in recharging. In order to prevent that, we recommend that they undergo a complete charge cycle at least every 4 months even when unused.

Recharge the batteries every month to keep them always ready to use (charge at 80% or more).

⚠ CEIA will not be held responsible for any damage resulting from failure to observe the above mentioned instructions.

Troubleshooting

Fault/Symptom	Possible cause	Recommended action
False alarms generated by repetitive movements of large metal objects	Large metal objects (i.e. metal doors, metal structures) moving near the gate	Move the OPENGATE in a different position
False alarms occurring without transits	Sources of electromagnetic interference (i.e. transformers, motors, power distribution cabinets, power lines, etc.) near the gate	Move the OPENGATE in a different position
		Swap the Main and Secondary pillars' position

⚠ If the OPENGATE still does not operate properly, discontinue the screening service and contact CEIA Technical Assistance.

Diagnosis

Messages provided by the OPENGATE App

Message	Possible cause	Recommended action
NO MAIN	Main Pillar turned OFF	Switch the Main Pillar ON
		Check battery status
UW TOO LARGE	Useful width greater than admitted operating range	Place Main and Secondary pillar inside the operating range of UW
UW TOO NARROW	Useful width smaller than admitted operating range	
WRONG ORIENT.	Misalignment between Main and Secondary pillar	Check the correct orientation of the pillars
	Wrong orientation between Main and Secondary pillar	
FAULT MAIN ERR	Internal fault	Contact CEIA Technical Assistance
FAULT GATE M(x)	Internal fault *x = numeric index*	Note the value of x and contact CEIA Technical Assistance
FAULT GATE S(x)	Internal fault *x = numeric index*	Note the value of x and contact CEIA Technical Assistance
FAULT SEC. ERR	Internal fault	Contact CEIA Technical Assistance

7. APPENDICES

Anchoring Metal Plates (accessory)

The OPENGATE is especially designed for mobile use and removable installations.

However, in case a **permanent installation** is required, the OPENGATE can be anchored to the ground using the *Anchoring Metal Plates*.

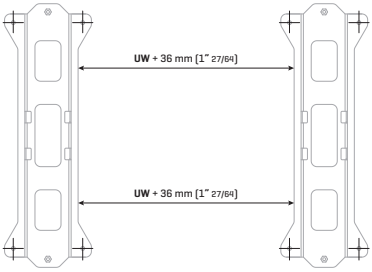
⚠ Anchoring the OPENGATE unit is mandatory in case of installations that can be unattended by the screener.

Kit Composition

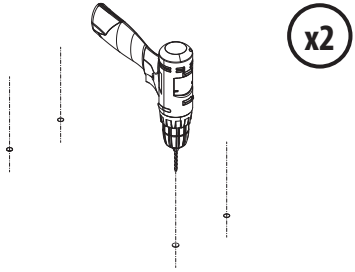
A	Anchoring metal Plates (x2)	**C**	45mm screws (x8)
B	8mm expansion plug (x8)	**D**	M6x18 screws (x4)

Installation Procedure

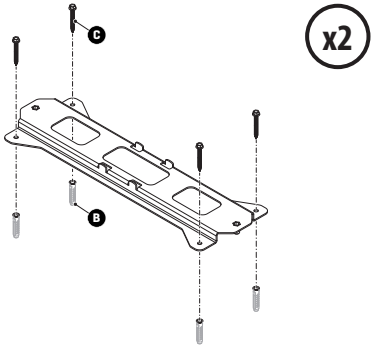
⚠ Before installing, ensure that there are no electrical cables, pipes or other obstacles beneath the surface where the holes will be drilled.



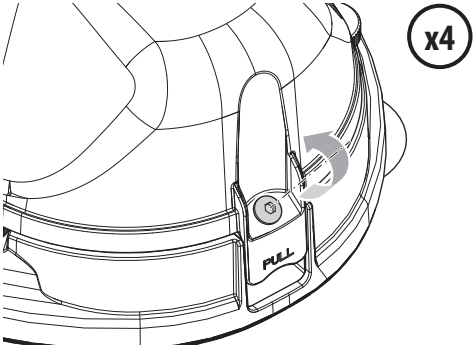
Place the metal plates in the intended position according to the distance shown above so that they are aligned. Mark the anchor holes to the ground.



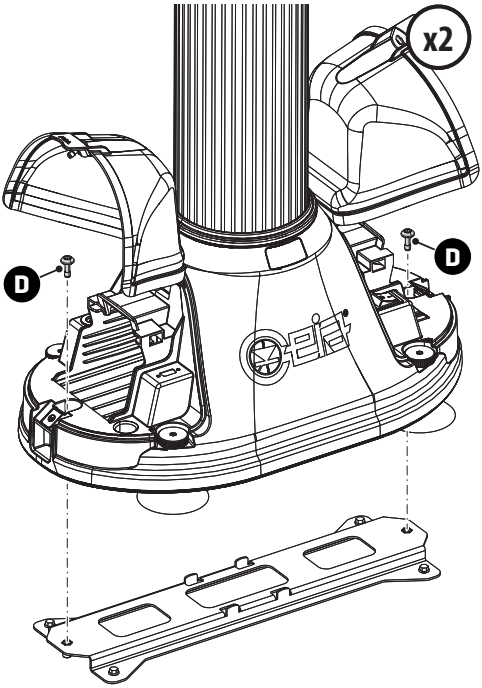
For each anchor hole, drill a guide hole and insert the expansion plugs **B**.



Secure the metal plates to the ground by tightening the screws **C**.

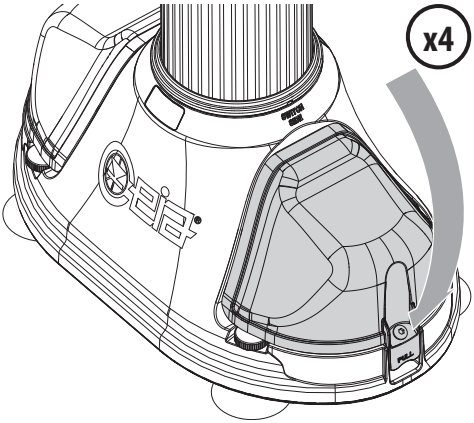


Loose the screw of the battery compartment. Pull the tab and lift the cover up.

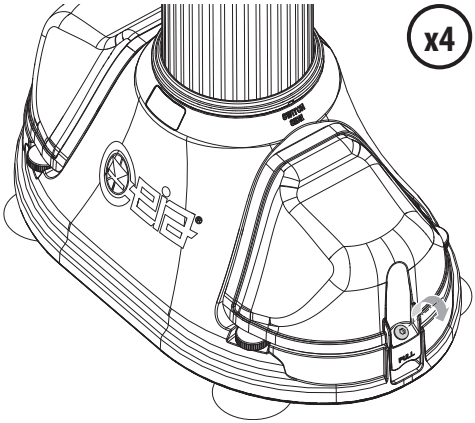


Secure the OPENGATE to the plates by tightening the screws **D**.

> ⚠ If the OPENGATE has to be relocated or moved from its position, the anchoring metal plates must also be removed, in order to prevent people from tripping over them.



Lower the battery compartment ...



... and tight the lock screw.